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No. 5] NEW DELHI, SATURDAY, JANUARY 31, 1976 (MAGHA 11, 1897)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III--खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 31st January 1976

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

26th December 1975

2392/Cal/75. Dalmia Institute of Scientific & Industrial Research. Process for the manufacture of improved refractories.

2393/Cal/75. Union Carbide Corporation. Process for the continuous hydrocarbonization of coal.

2394/Cal/75. Union Carbide Corporation. Method of avoiding agglomeration in fluidized bed processes.

2395/Cal/75. Union Carbide Corporation. Integrated coal hydrocarbonization and gasification of char.

2396/Cal/75. Union Carbide Corporation. A preconditioning treatment of coal to minimize agglomeration.

2397/Cal/75. Ethicon, Inc. Absorbable composition and sutures coated therewith.

2398/Cal/75. J. Chander. A thrasher.

2399/Cal/75. J. Chander. A thrasher.

437 GI/75

2400/Cal/75. D. P. Chowdhary. Improved sole shoes.

2401/Cal/75. D. P. Chowdhary. Improved oil lamp.

27th December 1975

2402/Cal/75. Schering Aktiengesellschaft. Defoliating preparations and methods of defoliation of plants.

2403/Cal/75. The Barnagore Jute Factory Company, Limited. Improvements in or relating to structural boards.

2404/Cal/75. Illinois Tool Works Inc. Planter system.

2405/Cal/75. Grain Processing Corporation. Separation of protein from vegetable sources.

2406/Cal/75. Portex Electric Controls. A thermostatic switch.

29th December 1975

2407/Cal/75. Westinghouse Electric Corporation. Segregated phase comparison system.

2408/Cal/75. Fives-Cail Babcock. Improvements in the direct not air operated evaporators.

2409/Cal/75. Philip Morris Incorporated. Razor blade cartridge and display article.

2410/Cal/75. Tata Engineering and Locomotive Company Limited. Electronic circuit breaker for tata P & H magnatorque excavator.

30th December 1975

2411/Cal/75. A. H. Robins Company, Incorporated. 1-Aryloxy-4-amino-2-butanols.

2412/Cal/75. Dr. Med. Vet. Ludwig Simmet. Method and apparatus for filling animal sperms into semen tubes.

2413/Cal/75. Ratiopharma Anstalt. Process of improving the compatibility of gamma globulins.

2414/Cal/75. Ole Jeppe Fjord Larsen. A device for depositing sediment on the floor of a body of water and a method of installing it. (December 30, 1974). [Addition to No. 1793/Cal/74].

2415/Cal/75. John Wyeth & Brother Limited. Pyridine derivatives. [Divisional date October 19, 1973]

2416/Cal/75. John Wyeth & Brother Limited. Pyridine derivatives. [Divisional date October 19, 1973]

2417/Cal/75. Miles Laboratories, Inc. Test composition device and method for detecting bilirubin.

2418/Cal/75. Hooker Chemical Corporation. Electrolysis method and apparatus. [Divisional date December 8, 1972].

2419/Cal/75. Ruti-te Strake B.V. A storing means for forming loopshaped yarn lengths in a textile machine, particularly in a shuttleless weaving machine.

2420/Cal/75. Dr. O. A. Becker, Construction unit, in particular loadbearing construction unit, for example for buildings, columns, bridges, vehicles.

2421/Cal/75. Hooker Chemical Corporation. Electrolysis method and apparatus. [Divisional date December 8, 1972].

2422/Cal/75. Hooker Chemical Corporation. Electrolysis method and apparatus. [Divisional date December 8, 1972].

2423/Cal/75. Hooker Chemical Corporation. Electrolysis method and apparatus. [Divisional date December 8, 1972].

31st December 1975

2424/Cal/75. Yuan Ho Lee. A feeding device for high speed nut formers.

2425/Cal/75. Yuan Ho Lee. Multiheaded radial type nut taper.

2426/Cal/75. Yuan Ho Lee. Blank Turn-over device for high speed nut formers.

2427/Cal/75. Dynamit nobel Aktiengesellschaft. Process and apparatus for the production of oligomeric alkylene benzene dicarboxylates.

2428/Cal/75. Gruppo Lepetit S.p.A. New nitroimidazole derivative with antibacterial activity. (January 15, 1975).

2429/Cal/75. G. D. Societa Per Azioni. System having a compensating store device for directly feeding cigarettes from the cigarette manufacturing machine(s) to the hopper of the packaging machine in cigarette producing plants.

2430/Cal/75. G. D. Societa Per Azioni. System for producing packets of cigarettes in which the cigarettes are directly transferred from cigarette manufacturing machine(s) to cigarette batching hopper which feeds the cigarettes to the wrapping line of a packaging machine and store device for compensating for differentials in the output of said machines.

2431/Cal/75. G. D. Societa Per Azioni. Compensating store device in systems for directly feeding cigarettes from cigarette manufacturing machine or machines to the hopper of the cigarette packeting machine.

2432/Cal/75. G. D. Societa Per Azioni. Compensating store device in systems for directly feeding cigarettes from cigarette manufacturing machine or machines to the hopper of the cigarette packeting machine.

2433/Cal/75. G. D. Societa Per Azioni. Switching device for switching a transversely aligned cigarette flow in plants for directly feeding cigarettes comprising a compensating device for compensating unbalances in the output of manufacturing and packeting machines.

2434/Cal/75. Wabco Westinghouse, S.p.A. Brake release accelerating device an automatic gradual-discharge fluid brake.

2435/Cal/75. UOP Inc. Catalytic composite and use thereof in hydrocarbon conversion. [Addition to No. 2011/Cal/75].

2436/Cal/75. Ruti-Te Strake B.V. A weaving machine of the type in which insertion is effected by a fluid flow.

2437/Cal/75. Texmaco Limited. Apron bridge bar.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

12th December 1975

361/Bom/75. V. Nath. Improved tyre inflator.

362/Bom/75. The Standard Mills Co. Ltd. An electronic device for deviation in the operating cell voltage in a graphite anode type electrolytic mercury cell.

363/Bom/75. Rathi Industrial Equipment Co. Pvt. Ltd. Steam trap testing device.

364/Bom/75. Vacuum Plant and Instruments Manufacturing Company Private Limited. Gate valve.

15th December 1975

365/Bom/75. M. N. Ahmed. Heat Conserving cooking vessel. (H.C.C.V.).

16th December 1975

366/Bom/75. Ciba-Geigy of India Limited. Process for the manufacture of dyestuff preparations.

367/Bom/75. Ciba-Geigy of India Limited. Process for the manufacture of new dyestuffs.

368/Bom/75. G. P. Rane. Improved colour calibrated transparent vessels.

17th December 1975

369/Bom/75. V. S. Watve. Quick changing, self locking tool post for centre lathe.

18th December 1975

370/Bom/75. Vacuum Plant and Instruments Manufacturing Company Private Limited. Cam operated valve.

371/Bom/75. Vacuum Plant and Instruments Manufacturing Company Private Limited. Booster pump for creating high vacuum.

ALTERATION OF DATE

- 138419 } The claim to convention date 4th November 1971 has been abandoned and the application dated as of 15th October 1973, the date of filing in India.
2273/Cal/73.
138425. } Antic-dated to 13th July 1973.
1110/Cal/75.
138426. } Antic-dated to 13th July 1973.
1109/Cal/75.
138427. } Antic-dated to 13th July 1973.
1108/Cal/75.
138428. } Antic-dated to 13th July 1973.
1107/Cal/75.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 60A. I.C. D04d 7/04. 138400

IMPROVED BRASSIERE

RAMAVATAR HIRALAL KARIWALA, OF P329, C.I.T. ROAD, CALCUTTA-700054, WEST BENGAL, INDIA.

Application No. 1801/Cal/74 filed August 12, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A brassiere for wet nurses and nursing mothers comprising usual two cups, a strip connecting said two cups and a holding strap that goes under the breasts and around the body to the back where two ends of said holding strap are joined together, characterised in that each said cup consists of two portions, a lower cup portion and an upper cup portion, the lower cup portion being permanently attached by its lower length to the holding strap; the upper and lower cup portions being joined together by their lower and upper length respectively; an arcuate strip conforming to contour of upper part of breast connected between the holding strap and the connecting strip; said upper part of the cup being detachably fastened to said arcuate strip.

CLASS 62D. I.C. D06P 5/00. 138401

IMPROVEMENTS OF DYE TRANSFER CHARACTERISTICS AND SURFACE COLOUR YIELDS OF TEXTILES

INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION, OF 17, TARATOLA-ROAD, CALCUTTA-700053, WEST BENGAL, INDIA.

Application No. 912/Cal/74 filed April 23, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings

A method to significantly improve the dye transfer characteristics and surface colour yield of textile material to heat transfer/dyeing/printing process using sublimating type of dyes comprising treating the textile material with an aqueous emulsion, or solution, of finely dispersed cellulose; other finishing agents, e.g. polyhydric high polymeric vinyl alcohols; chemically modified cellulosic derivatives such as carboxymethyl cellulose, cellulose tri-acetate or or di-acetate and other natural high polymeric substances, e.g. corn or maize starch and its modified derivatives such as oxidised starch or with a mixture of two or more of the foregoing.

CLASS 32F+F.b. 55D., I.C. C07d 11/00, 13/00. 138402

PROCESS FOR THE MANUFACTURE OF SALTS OF 2-KETO-GULONIC ACID DERIVATIVES

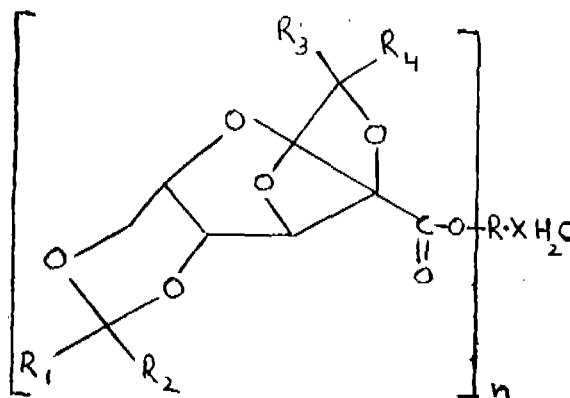
F. HOFFMANN-LA ROCHE & CO, AKTIENGESELLSCHAFT, OF 124-184 GRENZACHERSTRASSE, BASLE, SWITZERLAND.

Application No. 1779/Cal/73 filed August 1, 1973.

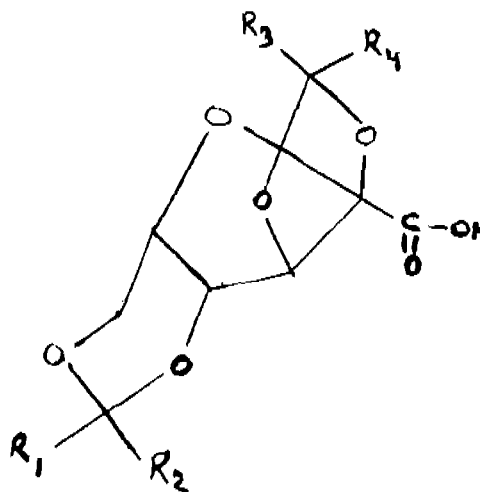
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

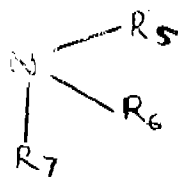
Process for the manufacture of compounds of the general formula I.



wherein n is 1, R is ammonium; ammonium substituted with one or more lower alkyl, lower alkenyl, or hydroxy-lower alkyl, R₁, R₂, R₃, and R₄ are lower alkyl, and X is a number from 0 to 1, enantiomers and racemic mixtures, which process comprises reacting an acid of the general formula II.



Wherein R_1 , R_2 , R_3 and R_4 have the meaning given in formula I, above, with a compound of the general formula III.



wherein R_3 , R_6 and R_7 are hydrogen, lower alkyl, lower alkenyl, or hydroxy-lower alkyl.

CLASS 6A₁+129-G. I.C. F04b 45/02.

138403

COMPRESSIBLE METALLIC BELLOWS

ANTHONY McNAMEE, OF 63 ST. JAMES ROAD, PRESCOT, LANCASHIRE, ENGLAND, & JOHN FERGUSON, OF 4b WAVERLEY ROAD, LIVERPOOL 17, LANCASHIRE, ENGLAND.

Application No. 1205/Cal/73 filed May 22, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Compressible metallic bellows comprising a plurality of axially aligned concave sheet metal annuli joined one to another at their radially outer and inner margins respectively so that the concavities of the annuli are alternately facing towards and away from one another, characterised in that each annulus is, in its neutral condition, in radial cross-sectional shape curved between a flat outer margin and a flat inner margin by the axial displacement of the inner and outer margins of an originally flat annulus with such margins remaining parallel to one another and the elastic and fatigue limits of the material not being exceeded by such displacement, wherein the curve of each annulus in its neutral condition has an inner region of curvature identical to the corresponding curved region of the natural curve and an outer curved region of greater general curvature relative to that of the corresponding curved region of the natural curve.

CLASS 152E. I.C. C08f 29/34.

138404

CURABLE WATER-BASE COMPOSITIONS

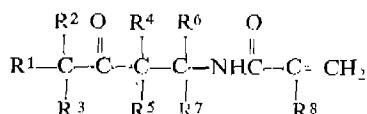
THE LUBRIZOL CORPORATION BOX 3057 EUCLID STATION, CLEVELAND, OHIO 44117, UNITED STATES OF AMERICA.

Application No. 1686/72 filed October 20, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A curable composition of matter comprising (A) at least one thermosetting acrylic resin or amino-plast composition and (B) a water soluble composition of matter consisting essentially of:



wherein each of R^1 , R^2 , R^3 , R^4 and R^5 is hydrogen, a hydrocarbon or substituted hydrocarbon radical, a hydroxy-alkyl radical having not more than 4 carbon atoms, or an alkoxy derivative of said hydroxyalkyl radical, at least one of R^1 , R^2 , R^3 , R^4 and R^5 being a hydroxyalkyl radical or alkoxy derivative thereof; each of R^6 and R^7 is hydrogen or a hydrocarbon or substituted hydrocarbon radical; and R^8 is hydrogen halogen or a lower alkyl radical; and

(2) condensation dimers and trimers of said compounds.

CLASS 32F₁+F₃b. I.C. C07d 51/78.

138405

TRANSESTERIFICATION OF QUINOXALINE-2-CARBOXYLIC ACID ESTERS

PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK 17, STATE OF NEW YORK, UNITED STATES OF AMERICA.

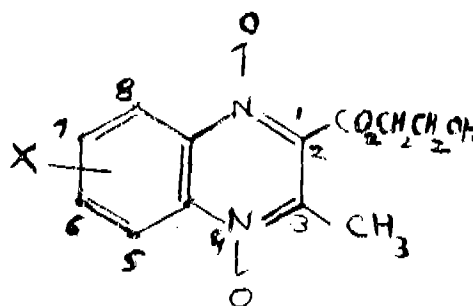
Application No. 1083/72 filed August 5, 1972.

Convention date April 24, 1972 (18984/72) U.K.

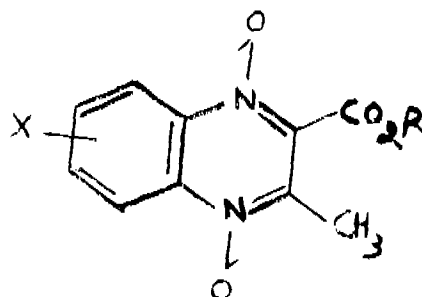
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the preparation of quinoxaline-di-N-oxides of the formula I.



which comprises contacting a compound of the formula 2.



wherein X is a substituent at the 6-or-7-position selected from the group consisting of hydrogen, chlorine, bromine, trifluoromethyl, methyl and methoxy; and R is alkyl containing from 1 to 4 carbon atoms with ethylene glycol in the presence of oxygen and a catalytic amount of a base selected from the group consisting of calcium hydroxide and barium hydroxide, at a temperature of 30-50°C.

CLASS 101C & 161D. I.C.-E02d 17/00.

138406

IMPROVEMENTS IN OR RELATING TO PRE-FABRICATED ONE-PIECE ROAD EMBANKMENT STRUCTURE

MIT-N-MIR, AT CHANDRADEEP APARTMENT, RANGILDAS MEHTA SHERI NAKA, GOPIPURA, SURAT-2, GUJARAT, INDIA.

Application No. 130/Bom/72 filed December 8, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A pre-fabricated pre-stressed monolithic concrete road embankment structure comprising a pair of guide channels formed integral with a vertical wall carrying an opening near its middle and the bottom longitudinal edge thereof characterised in that (i) the said bottom longitudinal edge is extended outwardly at right angle to the said vertical wall to form an apron and the two side longitudinal edges of the apron are

extended outwardly at an angle inclined to the horizontal to form extension members which are connected to the said guide channels; (ii) the free end of the said apron is bent to form a flange for the said apron; and (iii) each of the said guide channels is substantially rhombus in shape.

CLASS 101C. I.C.-G01f 13/00.

138407

IMPROVEMENTS IN OR RELATING TO ONE-PIECE NON-MODULAR PRE-CAST CONCRETE OUTLET FOR GUIDING AND CONTROLLING THE SUPPLY OF WATER FOR CANAL IRRIGATION.

MIT-N-MIR, AT CHANDRADEEP APARTMENT, RAN-GILDAS MEHTA SHERI NAKA, GOPIPURA, SURAT-2, GUJARAT, INDIA.

Application No. 131/Bom/72 filed December 8, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A one-piece precast prefabricated monolithic prestressed concrete structure forming non-modular outlet unit for guiding and controlling the supply source of water for canal irrigation comprising a pair of sloping walls, one of said walls extending along one plane and at right angle to the integrally formed panel carrying slidably mounted metal gate and the other wall is curvilinear wall, wherein the said two walls are joined at rear ends to a vertically extending panel formed integral therewith and carrying a pipe hole and a pair of guide rails in which a metal gate carrying a grip or handle is slidably mounted characterised in that the bottom edge of said side walls and panel are connected to one another by means of an integrally formed bottom panel forming an apron, wherein the front free end of said apron is bent and extended downwardly to form a longitudinally extending boss or like projection or extension member.

CLASS 101C. I.C.-G01f 13/00.

138408

IMPROVEMENTS IN OR RELATING TO PRE-CAST CONCRETE REGULATORS FOR CONTROLLING WATER SUPPLY FLOWING FROM A DISTRIBUTORY TO SMALL CANALS

MIT-N-MIR, OF CHANDRADEEP APARTMENT, RAN-GILDAS MEHTA SHERI NAKA, GOPIPURA, SURAT-2, GUJARAT, INDIA.

Application No. 134/Bom/72 filed December 11, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A precast prefabricated monolithic prestressed concrete regulator for controlling water flow from a distributory to a small canal which comprises a combination of two pre-cast units one of which is a gate unit and the other is an end unit, wherein each of the said units consists of a pair of tapering walls extending along one plane and connected at the rear end by an integrally formed vertically extending panel carrying a pipe hole characterised in that (i) the bottom ends of the tapering walls are connected to an integrally formed bottom panel extending horizontally along one plane to form an apron the front end of the said apron carrying an inverted T-shaped extended boss or flange, (ii) the free end of each of lower edges of the tapering walls is provided with half rectangular shaped slot which is adapted to be complementarily engaged with the corresponding upper end of the inverted T-shaped boss or flange, and (iii) each of the vertically extending panels of the gate unit and the end unit is extended downwardly to form an extension lip.

CLASS 101C. I.C.-G01f 13/00.

138409

IMPROVEMENTS IN OR RELATING TO PRE-CAST CROSS REGULATORS AND THE LIKE FOR REGULATING THE WATER FLOW IN A MINOR CANAL BRANCHING OUT FROM THE DISTRIBUTORY

MIT-N-MIR, AT CHANDRADEEP APARTMENT RAN-GILDAS MEHTA SHERI NAKA, GOPIPURA, SURAT-2, GUJARAT, INDIA.

Application No. 135/Bom/72 filed December 11, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A pre-cast monolithic pre-stressed concrete structure forming cross regulator for regulating the water flow in a minor canal branching out from distributory consisting of a combination of one or more gate units fitted between a pair of blind end units in which each of the said gate unit consists of a pair of tapering counter-fort walls extending along one plane and connected to each other by means of a vertically extending panel carrying a pipe hole near its bottom end and the said panel is provided with a pair of guide rails in which a metal gate carrying a handle or grip is slidably mounted and the bottom end of the said panel is bent and extended outwardly along one plane and integrally formed with said counter-fort walls to form an apron and the front end and the rear ends of the said apron are respectively bent and extended downwardly to form longitudinally extending flanges and the gate part is located on the upstream of distributory and the counter-fort walls are located on the downstream of the canal and each of said blind end units consists of a triangular shaped box like structure formed by two vertically extending walls at right angle to each other and a third hypotenuse wall connected to said two right angled walls so as to form a right angle triangular unit and the bottom edge of the said triangular walls are connected to each other by means of an integrally formed bottom panel forming an apron.

CLASS 68E. I.C.-G05b 1/00

138410

AN ELECTRICAL GATE

VARAHUR SRINIVASA SATYANARAYANA, OF 38C, IRWIN ROAD, NEW DELHI, INDIA.

Application No. 741/Cal/73 filed March 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An electrical gate adapted to connect a load to a power source comprising at least one relay, a first sensor circuit consisting of a transistor and a resistor adapted to energise such relay only when the power source has a voltage higher than the lower limit of a predetermined range of voltage, a second sensor circuit consisting of a transistor and a resistor adapted to de-energise said relay upon the power source having a voltage which is higher than the upper limit of said range of voltage said load connected to the power source through the contacts of such relay and wherein one sensor circuit determines the lower threshold value and the other determines the higher threshold value.

CLASS 27B. I.C.-E04b 1/00.

138411.

GEODESIC BUILDING STRUCTURE

FULLER AND SADAQ, INC., AT 12, ARROW STREET, CAMBRIDGE, MASSACHUSETTS, UNITED STATES OF AMERICA.

Application No. 881/Cal/73 filed April 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A building framework, structure of spherical form of at least three frequency in which the main structural elements are connected in a geodesic-type pattern of great circle arcs and lesser circle arcs intersecting to form three-way grids defining isosceles triangles, the bottom edge of said structure terminating at a lesser circle other than the hemisphere and providing a planar surface edge without other edge structures.

CLASS 25A. I.C.-B28b 1/00.

138412

PROCESS FOR THE MANUFACTURE OF BRICKS FROM RED MUD.

GEBRUDER GIULINI GMBH., OF LUNDWIGSHAFEN AM RHEIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1626/72 filed October 10, 1972.

Addition to No. 131912.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

Process for the manufacture of bricks from red mud as per Indian Patent Application, 131912 characterized in that prior to the mixing of red mud with clay hydrophylic inorganic and/or organic materials are added to the filter-moist red mud.

CLASS 17D. I.C.-C012g 3/10.

138413

A METHOD OF PREPARING ALCOHOLIC DRINKS FROM DATE PALM JUICE

SUBHASH CHANDRA CHAKRAVORTY, OF SHALIMAR FLAT NO. 63, 42B, SHAKESPEARE SARANI, CALCUTTA-17, WEST BENGAL, INDIA.

Application No. 2611/Cal/73 filed November 27, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings

A method of preparing an alcoholic drink by fermentation of the date palm juice, characterised in that sucrose is added to fresh date palm juice to increase its sugar content to about 20—30%, and the resulting mixture is acidified with one or more organic acids selected from the group consisting of tartaric acid, citric acid and malic acid for adjusting its pH value to about 3.2 to 3.7 and thereafter subjecting the acidified juice to fermentation in the presence of yeast.

CLASS 68A+D+E., I.C.-H02J 7/10, H02H 7/18.

H03K 17/08, 17/56, 17/74

138414

OVERLOAD PROTECTION CIRCUITS FOR SEMICONDUCTORS IN BATTERY CHARGING SYSTEMS

THE LUCAS ELECTRICAL COMPANY LIMITED, FORMERLY KNOWN AS JOSEPH LUCAS (ELECTRICAL) LIMITED, OF WELL STREET, BIRMINGHAM 19, ENGLAND.

Application No. 320/Cal/73 filed February 15, 1973.

Convention date February 19, 1972/(7785/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An overload protection circuit comprising a thyristor the anode and cathode of which are intended to be connected across a pair of supply lines requiring protection, and a series circuit connected across the anode-cathode of the thyristor and including a voltage dependent resistance and a resistor, the junction of which is connected to the gate of the thyristor, the voltage dependent resistance having a high value at the nominal voltage of the system, and a substantially reduced value at voltages substantially above the nominal voltage of the system, the arrangement being such that in use when a fault occurs that current flows through the voltage dependent resistor, for low current faults the thyristor will not conduct and

the system is protected by the voltage dependent resistor and resistor in series, but for high current faults the thyristor is turned on to protect the system.

CLASS 131A. I.C.-E21b 33/00.

138415

A DEVICE FOR SEALING THE BOREHOLES FOR COLLECTION OF GAS SAMPLES AND FOR THE MEASUREMENT OF PRESSURE AND FLOW OF GASES FROM THEM

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Application No. 792/Cal/73 filed April 4, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A device for sealing the boreholes in coal seams and rock strata at any desired depth for extraction of gases from the seam and the strata, for collection of gas samples and for the measurement of pressure and flow of gases from the boreholes, which comprises an inner gas delivery tube, part of which is externally threaded, a sliding tube slidable over the gas delivery tube, a sponge rubber ball at each end of the sliding tube respectively and positioned between the ends of the sliding tube respectively and positioned between the ends of the sliding tube and metallic collars on the delivery tube an outer tightening tube screwed on the delivery tube and adopted to be screwed down by a handle so as to compress the balls between the collar and ends of the sliding tube to expand them sufficiently to make the strata/coal interface leakproof.

CLASS 86B. I.C. A47c 13/00.

138416.

AN IMPROVED MULTI-PURPOSE CHAIR

MRS. DUGGANAPALLI RAM GEETHA MOHAN OF NO. 2, ZACKRIA COLONY, IV STREET, KODAMBAKKAM, MADRAS-24, INDIA.

Application No. 2/MAS/72 filed September 21, 1972.

Addition to No. 129136.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

An improved multi-purpose chair (comprising improvements in or modifications of my earlier invention which is the subject-matter of my Patent No. 129136 dated 7th September 1971) supportable on the ground by four wheeled legs and characterised in that it comprises a back-rest and a seat hinged to each other such that the said back-rest is disposable in a horizontal position (flush with the seat) as also in various positions of inclination with respect to the said seat; means for arresting the back-rest in any one of its aforesaid positions; a back-plate adapted to be disposed against the back-rest and provided with two arm-rests, said back-plate being hinged to the back-rest such that with the back-rest disposed horizontally (flush with the seat), the back-plate is also adapted to be disposed horizontally (flush with the said back-rest and seat) and supported on the ground by the arm rests, to form a bed, wherein the improvements or modifications comprise a first plate (normally disposed below the level of the said seat and held vertically) slidably engageable with two hand rest like members pivotally attached to either side of the said seat, said members, when turned about their pivots, being adapted to raise the said first plate above the level of the said seat to serve as a table; a second plate hingeably suspended at one side of the seat, transversely to the said first plate, the said second plate being further adapted to be swung about its points of suspension to assume a horizontal position and serve as a table, by means of a plurality of pivoted and foldable links.

CLASS 29D & 206E. I.C. H01L 19/00, G05F 7/06, 13/02, 15/16. 138417

DRIVER MEANS FOR LSI CALCULATOR

TEXAS INSTRUMENTS INCORPORATED, OF 13500 NORTH CENTRAL EXPRESSWAY, DALLAS, TEXAS, UNITED STATES OF AMERICA.

Application No. 2840/Cal/73 filed December 31, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

In an electronic calculator system having a keyboard for data entry, an integrated circuit driver chip for actuating the calculator circuitry characterized by a clock generator for supplying a sequential tri-frequency clock signal to said calculator circuitry whose frequency is responsive to elapsed time after keyboard actuation.

CLASS 69F. I.C. H01H 63/00, 67/00. 138418

IMPROVEMENTS IN OR RELATING TO THREE-PHASE TAP CHANGER SWITCHES

MASCHINENFABRIK REINHAUSEN GEBRUDER SCHEUBECK KG., OF 8, FALKENSTENSTRASSE, 8400 REGENSBURG, GERMANY.

Application No. 255/Cal/74 filed February 7, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A three-phase tap changer switch for three-phase multi-tap transformers, comprising an elongate cylindrical housing of electrically insulating material, three load diverter switches disposed along the inside of the housing and drivingly coupled to an electrically insulating drive shaft mounted to extend along the inside of the housing and to project from at least one end thereof, two three phase tap selector switches each mounted externally of and alongside the housing and each provided with a respective one of two drive spindles and with respective sets of selector contacts one set for each of the three phases and a common drive gear unit mounted adjacent said one end of the housing and drivingly coupled to the insulating drive shaft and to each of the two drive spindles, wherein each load diverter switch is associated with respective connecting terminals extending through the housing and each set of selector contacts is disposed at substantially the same axial spacing from said one end of the housing as the connecting terminals of the respectively associated load diverter switch.

CLASS 32F.b. I.C. C07d 31/24. 138419

PREPARATION OF TRISUBSTITUTED PYRIDINE DERIVATIVES

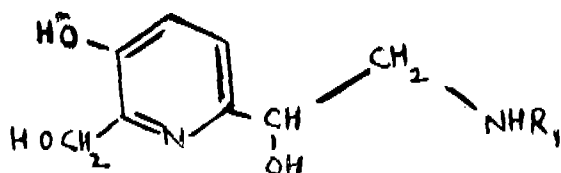
PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Application No. 2273/Cal/73 filed October 15, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

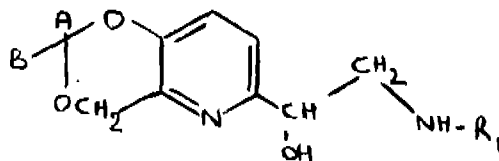
2 Claims

A process of preparing a compound of the formula 1.



and the acid addition salts thereof, wherein:

R₁ is hydrogen, alkyl containing from 1 to 5 carbon atoms, cycloalkyl of from 3 to 7 carbon atoms, phenylalkyl or substituted phenylalkyl wherein said alkyl group contains from 3 to 5 carbon atoms and said substituent is hydroxy, methoxy, 3, 4-dimethoxy or 3, 4-methylenedioxy, characterized by treating a compound of the formula III.



wherein A is phenyl, alkyl phenyl, alkoxyphenyl or halo-phenyl when B is hydrogen, or A and B are each (lower) alkyl of 1-6 carbon atoms, by treatment with acid and, when required, forming the acid addition salts thereof by known methods.

CLASS 69D+I. I.C. H01H 13/24. 138420

SOLENOID SWITCHES

THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Application No. 1705/Cal/73 filed July 20, 1973.

Convention date July 26, 1972 (34869/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A solenoid switch comprising a body, a solenoid coil carried by the body, a fixed electrical contact carried by the body, a solenoid armature movable relative to the coil, a movable electrical contact carried by the armature and movable therein in response to energisation of the coil in a direction to engage said fixed contact, resilient means carried by said armature and acting upon said movable contact to a rest position relative to the armature, a sleeve slidably receiving the armature, the sleeve being coupled to the armature by way of said resilient means for movement with the armature in a contact engagement direction, and a delay unit operatively associated with the sleeve, said delay unit slowing movement of the sleeve in the contact engaging direction whereby, when said coil is energised said sleeve and said armature move against the action of the delay unit in the contact engaging direction and are slowed in their movement by the delay unit, where as when said movable contact engages the fixed contact said armature moves relative to said sleeve and said movable contact against the action of said resilient means thereby rapidly increasing the contact pressure between the movable contact and the fixed contact.

CLASS 68D. I.C. G01r 27/20, H02h 1/00. 138421

APPARATUS FOR PROTECTING EARTH LEAKS

WESTERN INDUSTRIES (PROPRIETARY) LIMITED, OF TROYMARK HOUSE 41/43 TROYE STREET, JOHANNESBURG, TRANSVAAL PROVINCE, REPUBLIC OF SOUTH AFRICA.

Application No. 1384/Cal/73 filed June 13, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Earth leakage protection apparatus for electrically powered equipment comprising a low frequency a.c. voltage source and impedance circuit, a comparator including an independent supply matching that of the source and means for monitoring the source supply through a system to be protected and the matching supply.

CLASS 32F_{2a}, I.C. C07c 65/00.

138422

PROCESS FOR PREPARING PROSTAGLANDINS OF THE "ONE" SERIES

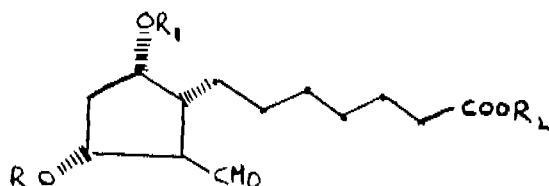
PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

Application No. 886/Cal/73 filed April 16, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for preparing a compound of the formula V.

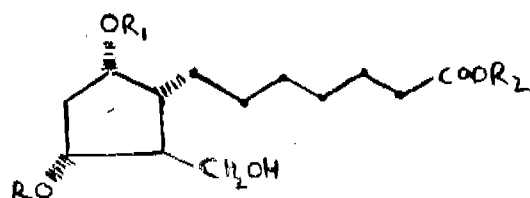


Wherein R is an organic protecting group stable to hydrogenation and to basic hydrolysis and easily removable by mild acid hydrolysis;

R₁ is a hydrocarbyl carbonyl protecting group stable to hydrogenation and to acid hydrolysis and easily removable by mild basic hydrolysis; and

R₂ is a hydrocarbyl protecting group stable to hydrogenation and to acid hydrolysis and easily removable by mild basic hydrolysis,

which comprises oxidation by a method as herein described of a compound of the formula II.



wherein R, R₁ and R₂ are as defined above.

CLASS 32F₁+F_{2b}, I.C. C07d 99/20, C07d 99/22.

138423

PROCESS FOR THE PREPARATION OF AMPICILLIN DERIVATIVES SUBSTITUTED BY HETEROCYCLIC ACYL GROUP

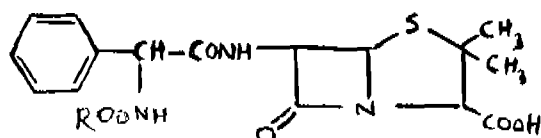
YAMANOUCHI PHARMACEUTICAL CO. LTD., OF NO. 5-1, NIHONBASIII-HONCHO 2-CHOME, CHUO-KU, TOKYO, JAPAN.

Application No. 1272/Cal/73 filed May 30, 1973.

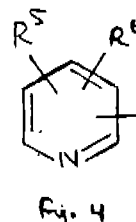
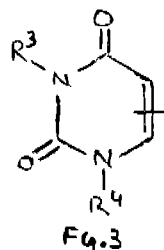
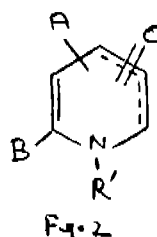
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

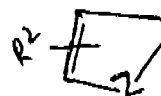
Process for the preparation of an ampicillin derivative represented by the general formula shown in Fig. 1.



wherein R represents any of the groups represented by Fig. 2, 3 and 4.



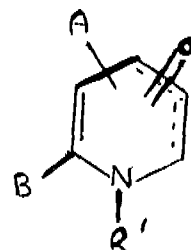
where in R¹ represents a hydrogen atom, a methyl group, or an ethyl group and A and B each represents a hydrogen atom, a hydroxyl group, a methyl group, a methoxy group, a nitro group, or a halogen atom and further said B may combine with A on the carbon atom at 3-position to form a group represented by Fig. 5A.



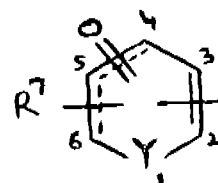
where Z represents -CH=N- or -CH=CH- and R³ represents a hydrogen atom, a hydroxy group, a phenyl group, a methyl group, an ethyl group, a methoxy group, an ethoxy group, a methylthio group, a trifluoromethyl group a halogen atom, a nitro group, an acetyl group, an acetamido group, an ethoxy-carbonyloxy group, or a methylsulfonyl group and further R³ may form together R³ may form together with a group



represented by Fig. 5B. a thiazole, isothiazolo, pyrrolo, furo, a benzo fused ring which may be substituted by an oxo group, a methyl group, or an acetyl group, and the dotted line in Fig. 2.

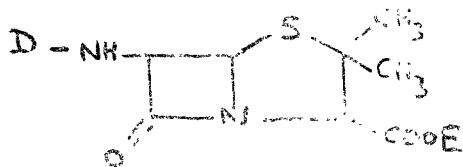


means an arbitrary double bond wherein R³ and R⁴ each represents a hydrogen atom or a methyl group; R³ represents a halogen atom, a methoxy group, a nitro group, or a hydroxy group and R⁴ represents a hydrogen atom, a methoxy group, a halogen atom, a nitro group, or a hydroxy group or a group represented by Fig. 6.

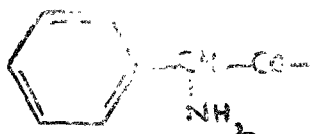


where R⁷ represents a hydrogen atom or a hydroxy group, Y represents O or S, and the dotted line means an arbitrary

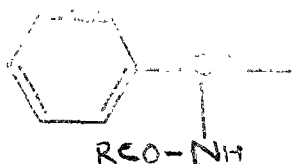
double bond, said substituents group bonding to the ampicillin molecule through -CO- at the 2-position, 3-position, 5-position, or 6-position when the oxo group ($=O$) is at the 4-position and bonding to the ampicillin molecule through -CO- at the 2-position, 4-position, or 5-position when the oxo group ($=O$) is at the 6-position, and the salts obtained thereof by treatment with a base as hereinbefore described comprising reacting the 6-aminopenicillanic acid derivatives of the formula represented by Fig. 7.



wherein D represents a hydrogen atom or a group represented by Fig. 8.



E represents a hydrogen atom or a group capable of being released under a mild condition as hereinbefore described; with carboxylic acid represented by the formula, $R^8\text{-COOH}$, wherein R^8 represents a group represented by Fig. 9.



when D is a hydrogen atom, or R^8 represents R and D is group represented by Fig. 8 or phenyl substituted or N-acylated derivatives thereof, and releasing E when E is a group capable of being released under a mild condition such as treatment with alkalis, acids and catalytic reduction as hereinbefore described.

CLASS 32F.b. I.C. C07d 27/54, C07d 27/56. 138424

PROCESS FOR THE PREPARATION OF AZAINDOLE FUSED HETEROCYCLIC COMPOUNDS

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK, 10017, NEW YORK, U.S.A.

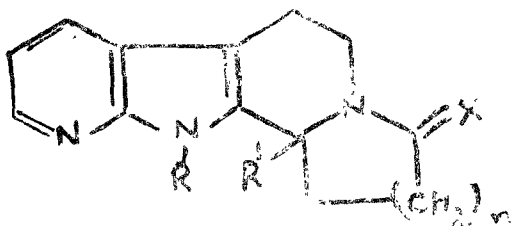
Application No. 1646/Cal/73 filed July 13, 1973.

Convention date, August 15, 1972 (37976/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

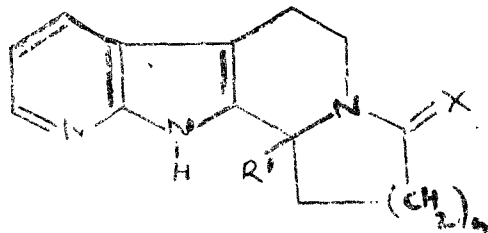
10 Claims

A process for the preparation of compounds having the general formula 1.



wherein X is two hydrogen atoms, or an oxo group; R is alkyl of from 1 to 5 carbon atoms, or allyl; R^1 is methyl, ethyl, 2-437GI/75

or n-propyl; and n is 1 or 2; or the pharmacologically acceptable acid addition salts thereof; in which process a compound of general formula II.



where R^1 is methyl, ethyl, or n-propyl; X is oxo or two hydrogen atoms; and n is 1 or 2; is alkylated in known manner on the indolic nitrogen to introduce the alkyl or allyl group (R) and if desired the product in the free base form is treated with a pharmacologically acceptable acid to form the pharmacologically acceptable acid addition salt thereof or a racemic mixture of the product is resolved in known manner.

CLASS 32F.b. I.C. C07d 27/54, 27/56.

138425

PROCESS FOR THE PREPARATION OF AZAINDOLE FUSED HETEROCYCLIC COMPOUNDS

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK 10017, NEW YORK, UNITED STATES OF AMERICA.

Application No. 1110/Cal/75 filed June 3, 1975.

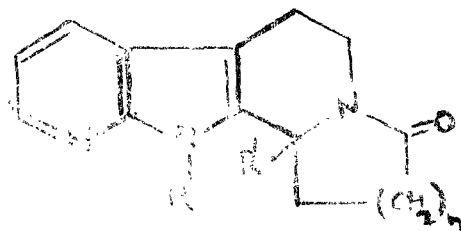
Convention date August 15, 1972 (37976/72) U.K.

Division of application No. 1646/Cal/73 filed July 13, 1973.

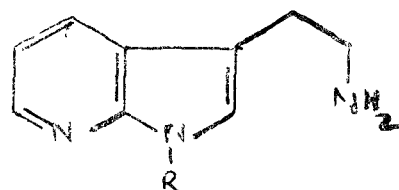
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

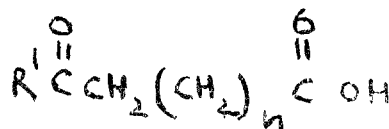
A process for the preparation of compounds having the general formula 1.



wherein R is hydrogen or alkyl of from 1 to 5 carbon atoms; R^1 is methyl, ethyl, or n-propyl; and n is 1 or 2; or the pharmacologically acceptable acid addition salts thereof; in which process a compound of general formula II.



where R is hydrogen or alkyl of from 1 to 5 carbon atoms is reacted with a keto acid of general formula III.



where R^1 is methyl, ethyl, or *n*-propyl, and *n* is 1 or 2, or an enol lactone thereof and any open chain intermediate is cyclised in a manner such as herein described and if desired the product of the above process in the free base form is treated with a pharmacologically acceptable acid addition salt thereof or a racemic mixture of the product is resolved in known manner.

CLASS 32F.b. I.C. C07d 27/54, 27/56. 138426

PROCESS FOR THE PREPARATION OF AZAINDOLE FUSED HETEROCYCLIC COMPOUNDS

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK 10017, NEW YORK, UNITED STATES OF AMERICA.

Application No. 1109/Cal/75 filed June 3, 1975.

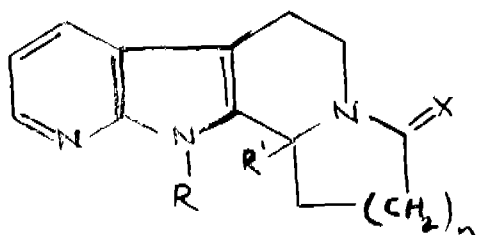
Convention date August 15, 1972 (37976/72) U.K.

Division of Application No. 1646/Cal/73 filed July 13, 1973.

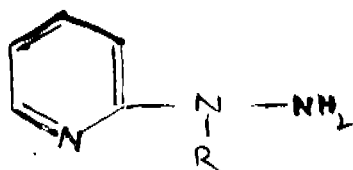
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

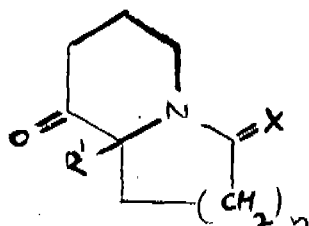
A process for the preparation of compounds having the general formula 1.



wherein X is two hydrogen atoms or an oxo group; R is hydrogen or alkyl of from 1 to 5 carbon atoms; R^1 is methyl, ethyl, or *n*-propyl and *n* is 1 or 2; or the pharmacologically acceptable acid addition salts thereof; in which process a compound of general formula II.



where R is hydrogen or alkyl of from 1 to 5 carbon atoms, is reacted with a compound of general formula III.



wherein R^1 is methyl, ethyl, or *n*-propyl, X is oxo or two hydrogen atoms, and *n* is 1 or 2 by the Fischer indole method and if desired the product in the free base form is treated with a pharmacologically acceptable acid to form the pharmacologically acceptable acid addition salt thereof or a racemic mixture of the product is resolved in a known manner.

CLASS 32F.b. I.C. C07d 27/54, 27/56. 138427

PROCESS FOR THE PREPARATION OF AZAINDOLE FUSED HETEROCYCLIC COMPOUNDS

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK-10017, NEW YORK, UNITED STATES OF AMERICA.

Application No. 1108/Cal/75. filed June 3, 1975.

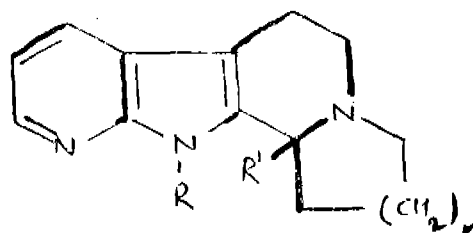
Convention date August 15, 1972 (37976/72) U.K.

Division of Application No. 1646/Cal/73 filed July 13, 1973.

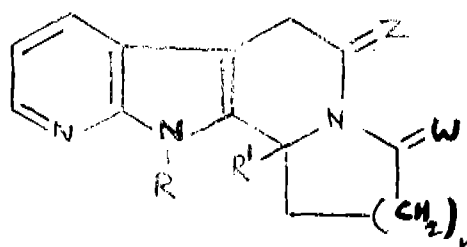
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for the preparation of compounds having the general formula 1.



wherein; R is hydrogen, alkyl of from 1 to 5 carbon atoms, or allyl; R^1 is methyl, ethyl, or *n*-propyl; and *n* is 1 or 2; or the pharmacologically acceptable acid addition salts thereof; in which process a compound of general formula II.



where R is hydrogen, alkyl of from 1 to 5 carbon atoms or allyl; R^1 is methyl, ethyl, or *n*-propyl and *n* is 1 to 2; Z and W are, independently oxygen, sulphur, or two hydrogen atoms, provided that one of Z or W must always be oxo or sulphur; is reduced with a reducing agent and if desired the product in the free base form is treated with a pharmacologically acceptable acid to form the pharmacologically acceptable acid addition salt thereof or a racemic mixture of the product is resolved in known manner.

CLASS 32F.b. I.C. C07d 27/54, 27/56. 138428

PROCESS FOR THE PREPARATION OF AZAINDOLE FUSED HETEROCYCLIC COMPOUNDS

AMERICAN HOME PRODUCTS CORPORATION, OF 685 THIRD AVENUE, NEW YORK-10017, NEW YORK, UNITED STATES OF AMERICA.

Application No. 1107/Cal/75 filed June 3, 1975.

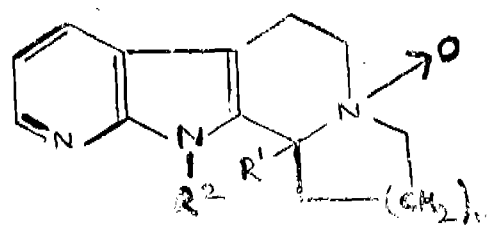
Convention date August 15, 1972 (37976/72), U.K.

Division of application No. 1646/Cal/73 filed July 13, 1973.

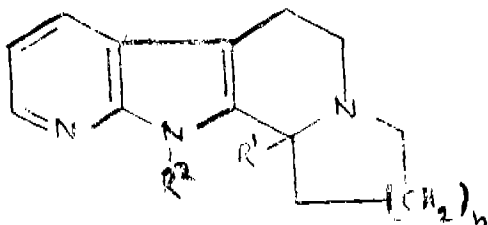
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the preparation of compounds having the general formula 1.



wherein R^1 is alkyl of from 1 to 5 carbon atoms or allyl; and n is 1 or 2 or the pharmacologically acceptable acid addition salts thereof; in which process a compound of the general formula II.



where R^2 is alkyl of from 1 to 5 carbon atoms, or allyl; R^1 is methyl, ethyl, or *n*-propyl; and n is 1 or 2; is oxidised with a peroxyacid and if desired the product of the above process in the free base form is treated with a pharmacologically acceptable acid addition salt thereof.

CLASS 32E. I.C.-C08f 25/00.

138429

PROCESS FOR PREPARING COPOLYMERS OF TRIOXANE

HOECHST AKTIENGESellschaft (FORMERLY KNOWN AS FARBWERKE HOECHST AKTIENGESellschaft VORMALS MEISTER LUCIUS & BRUNING), FORMERLY OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN) BUT NOW OF 6230 FRANKFURT/MAIN, FEDERAL REPUBLIC OF GERMANY.

Application No. 1539/Cal/73 filed July 2, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

Process for preparing a copolymer of trioxane by polymerization of from 80 to 99.9 wt.% of trioxane, 20 to 0.1 wt.% of at least one compound known for the copolymerization with trioxane and having a monofunctional reaction and a multifunctionally reacting compound, in the presence of a cationically active catalyst at a temperature of 62° to 110°C, characterised in that a compound having at least two epoxide groups with an epoxide equivalent of 50 to 5,000 in a quantity of 0.0005 to 0.01 wt.%—calculated on the total quantity of trioxane and mono functionally reacting compound is used as a multifunctionally reacting compound.

CLASS 69D. I.C.H01h 36/02.

138430

IMPROVEMENTS IN OR RELATING TO FLOAT SWITCHES

SIBES CHANDRA BHATTACHARYA, OF STATION ROAD, RAMRAJATALA, P.O. SANTRAGACHI, DISTRICT-HOWRAH, STATE OF WEST BENGAL, INDIA.

Application No. 2809/Cal/73 filed December 26, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved float switch which is connected to a storage tank containing liquid such as water, the said float switch automatically operating an electric motor of a pump when and only when the water level in the said tank comes down to a lowest point, but the said electric motor will automatically stop running the moment the water level inside the tank reaches a predetermined top position of the tank, the said float switch having for its essential parts—

(i) a tube made of non-magnetic material such as glass and having an open top, in which tube water level will move up or down according to the level of water inside the storage tank;

(ii) a float placed inside the said tube, for moving up or down according to the level of water inside the tube, the said float consisting of a closed vessel and a permanent magnet provided on top of the said vessel;

(iii) a starting switch (hereinbefore referred to as the first-mentioned switch) provided at a lower portion of the tube, the said switch being a magnetically operated switch which will operate a starter of an electric motor of the pump connected to a main supply source, for pumping water into the storage tank, the moment the float comes down to the level of the said switch; and

(iv) a stop switch (hereinbefore referred to as the second-mentioned switch) provided at an upper portion of the tube, the said switch being a magnetically operated switch which will disconnect the electric motor of the pump from the main supply source through the starter of the said switch which is adjustably mounted at the said upper portion of the tube, so that the level of the liquid inside the said tank can be adjusted as and when required such as when there is leakage at any vertical said of the tank.

CLASS 172D. I.C.-D01h 7/92

138431

METHOD OF OPEN-END SPINNING AND APPARATUS THEREFOR

VYZKUMNY USTAV BAVLNARSKY, OF USTI NAD ORLICI, CZECHOSLOVAKIA.

Application No. 2306/Cal/73 filed October 16, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of open-end spinning yarn, wherein the yarn is withdrawn from the rotary spinning chamber upon a working surface of a funnel-shaped mouth of the withdrawing channel arranged co-axially to the spinning chamber, characterised in that the yarn is being strengthened during one revolution of the spinning chamber at least once by means of a false twist imparted to it by intermittent contacts with a rough partial working surface and a smooth partial working surface of the working surface of the withdrawing channel.

CLASS 29A 67C. I.C.-G06f 1/00.

138432

A DIGITAL COMPUTER SYSTEM HAVING CONTROL MEANS FOR TRANSFERRING BINARY CODED INFORMATION

BURROUGHS CORPORATION, OF 6071 SECOND AVENUE, AT DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 2049/Cal/73 filed September 6, 1973.

Convention date April 12, 1973/(17639) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A digital computer system having control means for transferring binary coded information between an input/output unit and an addressable memory in response to input/output descriptors stored in the memory, each input/output descriptor specifying an input/output operation and address of a buffer area in memory, the control means comprising access-ing means responsive to an initiating signal for fetching at

least a portion of a first input/output descriptor from memory, means including time delay means responsive to a first bit condition of said descriptor portion as fetched from memory by said accessing means for activating said accessing means to again fetch said same portion of said first descriptor from the memory after a predetermined time delay interval, and means responsive to a second bit condition of said descriptor portion when fetched from memory initiating transfer of information between the input/output unit and the buffer area in memory identified by said first input/output descriptor.

CLASS 29A. I.C.-G06f 7/00.

138433

A SYSTEM FOR ACCESSING A DESIRED RECORD OF A SEQUENTIAL FILE IN A STORAGE MEDIUM

BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Application No. 1892/Cal/73 filed August 16, 1973.

Convention date June 18 1973/(28762/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A system for accessing a desired record of a sequential file in a date-processing system including a storage medium, said system comprising :

means to select a plurality of keys from said file, which keys define partitions of said file ;

means to store said keys in an array;

means to search said array to obtain a key indicative of the partition in which said desired record resides; and

means for searching said indicated partition for said desired record.

CLASS 129C. I.C.-B25b 27/18, B23p 15/32

138434

AN IMPROVEMENT IN OR RELATING TO TWIST DRILLS

OSBORN-MUSHET TOOLS LIMITED, OF CLYDE STEEL WORKS, SHEFFIELD, ENGLAND.

Application No. 1631/Cal/73 filed July 11, 1973.

Convention date July 21, 1972/(34325/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A twist drill having primary lands and at least one secondary land associated with each primary land, the secondary lands extending along the body clearance diameter of the drill in circumferentially spaced relation to the associated primary lands, the primary lands being relieved by being chamfered off at an angle adjacent the drill point so that the drill point extends along the edge of a major flank and along the edge of a minor flank produced by the chamfer, the chamfer being such that it runs out into the periphery of the primary land at a greater distance from the chisel edge at the tip of the drill than the major flank runs out at the periphery of the or each associated secondary land whereby each secondary land is caused to stand axially "proud" of its associated primary land and forms a sizing flank for taking a "skimming" cut following the cut taken by said primary land, or, alternatively, the primary lands being relieved by the diameter across said primary lands being less than the diameter across the secondary lands for a limited distance from the drill point so that each secondary land is caused to stand radially "proud" of its associated primary land and forms a sizing flank for taking a "skimming" cut following the cut taken by said primary land.

CLASS 68A+E, I.C.-G05f 5/00

138435

SYSTEM FOR REGULATING VOLTAGE OF AC GENERATOR

PAL-MAGNETON NARODNI PODNIK, OF KROMERIZHIZHI, U.S.S.R., AND NAUCHNO-ISSLEDOVATELSKY (EXPERIMENTALNY) INSTITUT AVTOMOBILNOGO ELEKTROOBORUDOVANIA I AVTOPRIBOROV "NIIA-VTOPRIBOROV", OF UITSIA KIRPICHNAYA, 39-41, MOSCOW, USSR.

Application No. 11560/Cal/73 filed July 4, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A system for regulating the voltage of an AC generator comprising a power rectifier feeding a load, including a storage battery, which incorporates a noncontact voltage regulator controlling the current through the generator's field winding and having an input voltage divider and two positive terminals whereof one is connected to the storage battery and the other, to said generator, an additional charging circuit of the generator which ensures its initial excitation at the moment of starting and which is placed between two said positive terminals; and a circuit enabling protection of the system from a breakdown caused by an abruptness of the wires connecting the positive terminal of the generator with load and the storage battery, said protection circuit comprising two series-connected diodes with a resistor placed in parallel with one of them, while the common output of said resistor and diode is connected to the additional charging circuit of the generator, the other output of the protection circuit being connected to the storage battery and the input voltage divider being placed between said two diodes.

CLASS 113-I. I.C.-B60q 1/00, F21m 3/00, 5/00.

138436

A HOUSING FOR A ROAD VEHICLE LAMP

THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, ENGLAND.

Application No. 1179/Cal/73 filed May 19, 1973.

Convention date May 20, 1972/(23834/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A housing for a road vehicle lamp, said housing including a flange adapted to be secured, in use, to the bodywork of the road vehicle so as to mount the housing on the vehicle, wherein said flange is formed from a foamed, moulded synthetic resin material.

CLASS 150-G. I.C. F 16L

138437

A METHOD OF FORMING AN INNER CIRCUMFERENTIAL GROOVE HAVING A SEALING GASKET DISPOSED THEREIN IN A HEAT DEFORMABLE PIPE SECTION AND AN ARRANGEMENT THEREFOR

JOHNS-MANVILLE CORPORATION, OF GREENWOOD PLAZA, DENVER, COLORADO, 80217, UNITED STATES OF AMERICA.

Application No. 718/Cal/73 filed March 29, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An arrangement for use in the method of either one of claims 1 or 2 comprising an elongated cylindrical core section

having a free end and a desired outer configuration for insertion into one end of a heated thermoelastic pipe section, and a deformable circumferential sealing gasket comprising a support in said core section for supporting said gasket such that the entire inner-circumferential surface of said gasket lies below the outer surface of said core section adjacent said gasket and wherein said core section has an annular ramp tapering radially outwardly away from said support and towards the free end of said core section.

18 Claims

A method of breaking a concrete structure comprising placing a loading member in contact with the concrete structure, and applying a load to the concrete structure through the loading member while supporting the reaction force of the loading member, thereby producing a bending stress in the concrete structure.

OPPOSITION PROCEEDINGS

An opposition entered by Mischmetal & Flints Private Limited on 3rd December 1970 to the grant of a patent on application No. 122013 made by Guneshmulji Rikabchand has been allowed by virtue of the decision of Joint Controller of Patents and Designs dated the 31st December 1975.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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106101 107317 107475 107494 107539 107556 107561 107565
107566 107568 107585 107586 107710 107717 107734 107740
107838 107899 107965 108011 108313 108916 108919 108949
108972 108990 109013 109014 109036 109047 109085 109135
109277 109291 109338 109416 109667 109676 109685 109827
109843 109929 109932 110000 110102 110116 110136 110202
110211 110329 110371 110616 110625 110759 110816 110886
110998 111027 111046 111512 111744 111968 112235 112272
112312 112631 113306 113332 116035 116297 116414.

PATENTS SEALED

107283 112210 121010 126298 126326 132126 136352 136727
136746 136841 136866 136885 136892 136903 136906 136921
136950 136970 136972 136974 136976 136978 136993 137012
137028 137034 137044 137045 137048 137071 137072 137073
137078 137088 137114 137122 137164.

APPLICATION FOR COMPULSORY LICENCE UNDER SECTION 93(4)

A licence under Patents Nos. 87007 and 87008 has been granted to Messrs, Sagan Engineering (Private) Limited, 130 Dharmatala Street, P. O. Ghusruria, Howrah, grantees of a licence under patent No. 87009 under Section 84 of the Patents Act, 1970, by the Order of the Joint Controller of Patents and Designs dated the 31st December, 1975 on the petition made by them under sub-section (4) of Section 93 of the Patents Act, 1970, the filing of which was notified in the Gazette of India, Part III, Section 2 dated the 21st November, 1975.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) on the Patents Act, 1970, in respect of Calendar year 1974 generally on account of want of requests for licences to work the patented inventions, persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name & address of the Patentee	Brief Title of the Invention
1	2	3	4	5
1.	120385	17-3-1969	Svenska Industrietavleringaktiebolaget Svedab, of Svedermalmstorg 4, 11645, Stockholm, Sweden.	Rotary cutter with insertable cutting elements.
2.	120947	16-4-1969	The Metal Box Company of India Ltd., Barlow House, 59 C Chowringhee Road, Calcutta-20.	Closures.
3.	121849	17-6-1969	George Edward Kevin Blythe Ph.D., of 37 Ashlawn Road, Hillmorton, Rugby, Warwickshire, England.	Communication of particulate solid materials.
4.	122629	5-8-1969	Bernard Aptroot-Soloway, Flat 6, Sylva Court, Putney Hill, London S.W. 15, England.	Data input checking devices.
5.	132737	1-9-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Automatic adjusters.

CLASS 174-G. I.C. F16f 15/10.

138438

IMPROVEMENTS IN OR RELATING TO VIBRATION ABSORBING SYSTEMS

WESTLAND AIRCRAFT LIMITED, OF YEovil, IN THE COUNTRY OF SOMERSET, ENGLAND.

Application No. 2426/Cal/73 filed November 2, 1973.

Convention date November 6, 1972 (51088/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A vibration absorbing system for a rotatable body having a plane of rotation generally perpendicular to a rotational axis, the system comprising a plurality of vibration absorbers mounted symmetrically about the axis for rotation with the body, wherein each absorber includes a spherical ball retained in an aperture in a housing so that during rotation the ball is maintained in contact with a hollowed surface having a radius in a plane generally parallel with the plane of rotation and a radius in a plane generally perpendicular with the plane of rotation.

CLASS 71-B. I.C. E04g 23/08.

138439

METHOD AND DEVICE FOR BREAKING CONCRETE STRUCTURES

ASAHI KASEI KOGYA KABUSHIKI KAISHA, OF 25-1, DOJIMA-HAMADORI, 1-CHOME, KITAKU, OSAKA, JAPAN.

Application No. 2059/Cal/73 filed September 7, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1	2	3	4	5
6.	132738	1-9-1971	The Firestone Tire & Rubber Company, of 1200 Firestone Parkway, Akron, State of Ohio 44317, U.S.A.	Tire.
7.	132767	3-9-1971	Vandervell Products Ltd., Bordem Road, Maidenhead, Berkshire, England.	Flanged half bearings.
8.	132780	4-9-1971	V. Murgi, 52 Fort Road, Ferozepur Court, Punjab State.	Fertilizer distributing mechanisms mounted on agricultural tractors.
9.	132781	6-10-1971	Do.	Seed planting mechanism capable of being attached to or mounted on an agricultural vehicles.
10.	132792	6-9-1971	USS Engineers and Consultants, Inc., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Hot rolling with simultaneously lubrication of the hot steel workpiece being rolled.
11.	132793	6-9-1971	Concrete Ltd., of Green Lane, Hounslow, Middlesex, England.	Concrete casting.
12.	132810	7-9-1971	Union Carbide Corporation 270 Park Avenue New York New York 10017 U.S.A.	Adsorption purification process.
13.	132817	5-6-1971	Atul A. Shah Patel & Shah Bldgs Opp. Magari Eye Hospital Ellisbridge Ahmedabad-6.	Hinges.
14.	132826	8-9-1971	Rhone-Poyle S. A. 22 Avenue Montaigne Paris 8e France.	Fractionation of a liquid mixture.
15.	132832	8-9-1971	USS Engineers and Consultants Inc. 600 Grant Street Pittsburgh, State of Pennsylvania U.S.A.	An assembly for attachment to a bottom pour vessel for controlling flow of liquid through a nozzle.
16.	132835	8-9-1971	Wieland-Werke 7900, ulm, General federal Republic.	Process for rolling ribbed tubes.
17.	132836	8-9-1971	Do.	A device for firming screw shaped ribs on tubular work pieces.
18.	132838	8-9-1971	Instranotics Inc. 1115 East Elm Avenue Fullerton California U.S.A.	Receiver for disposable surgical implements.
19.	132840	8-9-1971	Koninklijke Nederlandsche Hoogovens en Staal fabrieken N.V. of Ijmuiden The Netherlands.	Roasted baked or sintered ore pellets.
20.	132841	8-9-1971	Do.	Backed ore pellets.
21.	132842	8-9-1971	Scandia Packaging Machinery Co. of 500 Belleville Turnpike, North Arlington, New Jersey 07032 U.S.A.	Wrapping packages.
22.	132857	9-9-1971	Koninklijke Nederlandsche Hoogovens of Ijmuiden, The Netherlands	Controlling of the conveyance of loose bulk material.
23.	132858	9-9-1971	Do.	Ore pellets.
24.	132866	10-9-1971	Dunlop Holdings Ltd. of Dunlop House Ryder Street, St. James's London S. W. 1 England.	Pneumatic tyres.
25.	132888	13-9-1971	Schubert & Salzer Maschinenfabrik AG. Friedrich-Eberstrasse 84, 8076 Ingolstadt, Germany.	A feeding device for fibre sliver spinning apparatus.
26.	132906	14-9-1971	Koninklijke Nederlandsche Hoogovens of Ijmuiden, The Netherlands.	Mixing and homogenizing of bulk material.
27.	132918	15-9-1971	Nilkanath Shridhar Sathaye, 'Nalanda' D-15 (3NE4), Amushakti Nagar, Deonar, Bombay-400094.	Device for locking the supply of fuel gas to the burner of a gas stove.
28.	132928	16-9-1971	Sherritt Gordon Mines Ltd. Province of Ontario, Canada, of 25 King Street West, Toronto, Canada.	Pump control system.
29.	132933	16-9-1971	Veb Polygraph Leipzig Kombinat für Polygraphische Maschinen Und Ausrüstungen, of 59 Zurinaundorfer Strasse, Leipzig, German Democratic Republic.	Sheet feeder apparatus for printing machine.

1	2	3	4	5
30.	132934	16-9-1971	Do.	Printing machine.
31.	132936	16-9-1971	S. Greenspan., 1335 East 38th Street, Brooklyn, New York, U.S.A.	Filtering and collecting solid matter from smoke flow.
32.	132940	17-9-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-I.	A lawn mover.
33.	132945	17-9-1971	Tollemache Environmental Engineers Ltd., 134, Maple Road, Surbiton, Surrey, England.	Ballistic separator/pulverizer.
34.	132948	17-9-1971	Thyssen Nied Etc., 42-Ober Housen, Essener Str, 66, Federal Republic of Germany.	Shaft furnaces.
35.	132963	18-9-1971	Takata Kojiyo Co. Ltd., 10-10 Mori Bldg., 28 Sakuragawa-cho, Nishikubo, Shiba, Minato-ku, Tokyo, Japan.	Producing a relatively rigid article.
36.	132969	20-9-1971	Sherritt Gordon Mines Ltd., 25 King Street West, Toronto, Ontario, Canada.	Improved thickener.
37.	132974	20-9-1971	British-American Tobacco Co. Ltd., Westminster House, 7, Millbank, London, S.W.1, England.	Tobacco smoke filters.
38.	132990	21-9-1971	Sherritt Gordon Mines Ltd., 25 King Street West, Toronto, Ontario, Canada.	Device for directing downward flow of particulate material.
39.	132991	21-9-1971	G. W. B. Boilera Ltd., Burton Works, Dudley, in the Country of Worcester, England.	Industrial boilers.
40.	132995	21-9-1971	Snam Progetti S.p.A., 16, Corso Venezia, Milan, Italy.	Production of a reducing gas for blast furnace.
41.	133007	22-9-1971	Miner Enterprises, Inc., 209 South Lasalle St., Chicago, State of Illinois, U.S.A.	Friction draft gear.
42.	133010	22-9-1971	Norton Co., 1 New Bond Street, Worcester, State of Massachusetts, U.S.A.	Reinforced thermoset resin bonded abrasive wheel.
43.	133025	25-9-1970	Scovill Manufacturing Co., of Waterbury, Country of New Haven, State of Connecticut, U.S.A.	Insert and core mechanism of a pneumatic valve.
44.	133026	23-9-1970	Do.	Pneumatic valve insert.
45.	133027	25-9-1970	Scovill Manufacturing Co., of Waterbury, Country of New Haven, State of Connecticut, U.S.A.	Valve for tubeless tyres.
46.	133043	24-9-1971	The Goodyear Tire & Rubber Company, 1144 East Market St., Akron, Ohio, U.S.A.	Passenger conveyor landing.
47.	133044	24-9-1971	Siemens AG., Berlin and Munich, West Germany.	Polarization modulator radiation and receivers therefor.
48.	133057	25-9-1971	Consiliul National Pentru, Str Roma No. 3, 2 Sector-I, Bucharest, Rumania.	Installation for continuous steel making.
49.	133064	1-10-1971	Phillips Petroleum Co., Bartlesville, State of Oklahoma, U.S.A.	Carbon black apparatus.
50.	133071	1-10-1971	USS Engineers and Consultants, Inc., 600 Grant St., Pittsburgh, State of Pennsylvania, U.S.A.	Continuously casting hollow rounds.
51.	133102	4-10-1971	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London S.W. 1, England.	Drawing and heat treating process of a tow of filaments.
52.	133104	4-10-1971	American Flange & Manufacturing Co. Inc., 30 Prockfeller Plaza, New York 10020, New York, U.S.A.	Container closure.
53.	133114	5-10-1971	Sperry Rand Corporation, Crooks and Maple Road, Troy, State of Michigan 48084, U.S.A.	Valve for fluids.
54.	133116	5-10-1971	General Refractories Company, 1520 Locust St, Philidelphia, Pennsylvania, 19102, U.S.A.	Structure for containing molten pig iron.

1	2	3	4	5
55.	133128	5-10-1971	Monsanto Company, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Steel fibre casting.
56.	133132	6-10-1971	Floyd Steinmetz, 205 West Timonium Road, Timonium, State of Maryland, U.S.A.	Ball bearing lapping machine.
57.	133133	6-10-1971	Vereinigte Österreichische Eisen-Und Stahlwerke Alpine Montan Aktiengesellschaft, of 5, Milderstrasse, Lins, Austria.	Converter with a detachable floor.
58.	133164	7-10-1971	Agfa-Gevaert N. V., 27, Mortsel, Belgium.	Film stretching method.
59.	133209	23-6-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	Apparatus for testing the mechanical strength of glass shells of finished miniature electric bulbs of miners cap lamps.
60.	133216	12-10-1971	Cities Service Reseach & Development Company, of 60 Wall Street, New York, State of New York, U.S.A.	Separating liquip and vapour.
61. }	133225	14-10-1971	Lyng Industrier A/S, Leksvikramatur, A Norwegian Joint Stock Company of 7129 Laksvik, Norway.	Annular expanding ring structure.
62.	133227	14-10-1971	Dunlop Holdings Ltd., Dunlop House, Ryder St., St., James's, London, S.W. 1, England.	Reinforced flexible hose.
63.	133234	24-7-1971	Vereinigte Österreichische Eisen-Und Stahlwerke -Alpine Montan Aktiengesellschaft of 5, Muldenstrasse, Linz, Austria.	Forming flat strips of flexible material into tubular members with longitudinal seams.
64.	133238	15-10-1971	Cluett, Peabody & Co. Inc., 433 River St., Troy, New York, U.S.A.	Compressively shrinking simultaneously a plurality of layers of fabrics.
65.	133239	15-10-1971	Jervis B. Webb Company, of 9000 Alpine Avenec, Detroit, Michigan 48204, U.S.A.	Conveyor carriers.
66.	133284	20-10-1971	Ro-Search Incorporated, State of Carolina, U.S.A.	Footwear.
67.	133309	11-7-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	A device for feeding a gas defector tube with gas.
68.	133324	22-10-1971	Ruti Machinery Works Ltd., CH-8630 Ruti (Zurich) Switzerland.	Holder for a loom reed.
69.	133336	23-10-1971	Tsudakoma Industrial Co. Ltd., of 18-18, Nomachi 5-chome, Kanazawa-shi, Ishikawa-ken, Japan.	Device for automatic shuttle exchange on wearing looms by multiple shuttle boxes on both sides thereof.
70.	133339	23-10-1971	Norton Villiers Ltd., of Marston Road, Wolverhampton, in the country of Stafford, England.	Loop driven vehicle.
71.	133346	25-10-1971	Mefina S. A., of 5, route de Beaumont, Fribourg, Switzerland.	Sewing machine case.
72.	133355	26-10-1971	USS Engineers and Consultants, Inc., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Continuous casting molpt.
73.	133402	28-10-1971	British-American Tobacco Co., Ltd., of Westminster House, 7, Millbank, London, S.W. 1, England.	Rod making apparatus.
74.	133409	29-10-1971	Girling Ltd., of Kings Road. Tyseley, Birmingham 11, England.	Hydraulic braking system for vehicles.
75.	133413	30-10-1972	Dunlop India Ltd., 57-B, Mirza Ghalib Street, Calcutta-16, West Bengal.	Wheels.
76.	133418	29-10-1971	Rotadyne Tools Pvt. Ltd., 114/8 Mirarji Peth, Kamatkar Bunglow, Sholapur, Maharashtra.	Cop replacing attachment for power looms.
77.	133426	30-10-1971	Process Evaluation and Development Corporation, 3, Hanover Rquare, New York, New York 10004, U.S.A.	Paper pulp digester blow down method.
78. }	133428	22-9-1972	Hamel GMBH., 44 Munster /Westf, Dehlweg 102, Federal Republic of Germany.	Thread braking device for double strand yarn spindles.

1	2	3	4	5
79.	133461	3-11-1971	USS Engineers and Consultants, Inc., 600 Grant St., Pittsburgh, State of Pennsylvania, U.S.A.	Construction for connecting and aligning sections of guide roll rack.
80.	133477	4-11-1971	Girling Ltd., of Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Servo motor or boosters for vehicle brake systems.
81.	133482	4-11-1971	Deere & Co., Moline, Illinois, U.S.A.	Process for finishing patterns and core boxes.
82.	133490	4-11-1971	Ben Wallace Wiseman Jr. of 303 Wall Towers, West, Midland, Texas 79701, U.S.A.	Preventing and extinguishing oil well fires.
83.	133504	5-11-1971	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Cushioning arrangement for railroad cars.
84.	133514	6-11-1971	Svenska Aktiebolaget Bromsregulator, of Adelgatan 5, 21122 Malmö, Sweden.	Hydraulically operated cylinder piston unit.
85.	133515	6-11-1971	S. T. X., 47 Rue De Villiers 92527 Neuilly S/ Seine, France.	Treating a textile material by the exhaustion process.
86.	133518	8-11-1971	Council of Scientific & Industrial Research, Rafi Marg, New Delh.-1.	Clay products.
87.	133526	8-11-1971	Societe Technique Pour L' Utilisation De La Precontrainte (S.T. U. P. Procedes Freyssinet) of 66 route de la Reine, Boulogne, Hauts de Seine, France.	Elastic bearing device in particular for structures.
88.	133535	8-11-1971	Stanadyne, Inc., Wilson, State of Connecticut, U.S.A.	Fuel injector.
89.	133546	9-11-1971	Sperry Rand Corporation, of Crooks and Maple Roads, Troy, State of Michigan 48084, U.S.A.	Valve for fluids.
90.	133560	10-11-1971	USS Engineers and Consultants, Inc., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Temperature sensing device.
91.	133576	11-11-1971	Philip Morris Incorporated, 100 Park Avenue, New York, New York 10017, U.S.A.	Blade dispenser.
92.	133578	11-11-1971	International Computers Ltd., ICL House, Putney, London S.W. 15, England.	Lard gänge.
93.	133598	12-11-1971	United Aircraft Corporation, 400 Main St., East Hartford, Connecticut 06108, U.S.A.	Fuel cell system having a natural circulation boiler.
94.	133603	12-11-1971	Schubert & Salzer Maschinenfabrik AG., Friedrich-Ebertstrasse 84, 8076 Ingolstadt, Germany.	Apparatus for piecing up yarn in an open-end spinning device.
95.	133643	16-11-1971	Ludwig Taprogge, 4034, Angermund, Vochelder strasse, German Federal Republic.	Filter device for separating solids from fluids flowing in pipes.
96.	133645	9-2-1973	Sna, Progetti S.p.A., of 16, Corso Venesia, Milan, Italy.	Apparatus suitable for with-standing high internal pressure.
97.	133680	19-11-1971	E. Scheubeck, 5-Eichenstrasse, Zeitlarn, Regensburg, West Germany.	Shaft coupling.
98.	133693	22-11-1971	The Laitram Corporation, P.O. Box 50699, New Orleans, Louisiana 70150, U.S.A.	Module for constructing linked structure.
99.	133695	22-11-1971	USS Engineers and Consultants, Inc., 600 Grant St., Pittsburgh, State of Pennsylvania, U.S.A.	Casting machine.
100.	133773	27-11-1971	Combined Engineered Products Ltd., 2242 Lakeshore Boulevard West, Toronto 500, Canada.	Geor cutting machines.
101.	133784	29-11-1971	USS Engineers and Consultants, Inc., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Recuperative furnaces.
102.	133786	29-11-1971	Siemens AG., Berlin and Munich, Germany (West).	Frequency multipliers.

1	2	3	4	5
103.	133800	30-11-1971	Sealed Power Corporation, of 2001 Sanford St, Muskegon, State of Michigan 49443, U.S.A.	Loading sleeves for use in pistons.
104.	133817	1-12-1971	Dr. Karl Ulrich Peddinghaus, 56 Wuppertal, Barman, Obera Lichten-Platzer, Strasse 276 Federal Republic of Germany.	Hydro pneumatic piston and cylinder damping device.
105.	133832	2-12-1971	Sperry Ran Corporation, Crooks and Maple Rd., Troy, State of Michigan 48084, U.S.A.	Controlled relief valves.
106.	133838	3-12-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Fluid pressure control valve.
107.	133839	3-12-1971	Do.	Do.
108.	133841	3-12-1971	U. S. Amada, 615, 8th Avenue, South Washington, U.S.A.	Punch press.
109.	133854	6-12-1971	Ringfeder G.m.b.H., 4150 Krefeld Uerdingen, Duisburger St., 145, Federal Republic of Germany.	Draw and buffing gear in particular for middle buffer couplings on railway vehicles.
110.	133857	6-12-1971	Abex Corporation, 530 Fifth Avenue, New York, New York, U.S.A.	Metal object sensor particularly for railway wheels.
111.	133863	7-12-1971	Sperry Rand Corporation, Crooks and Maple Roads, Troy, State of Michigan, 48084, U.S.A.	Pumps and motors.
112.	133884	8-12-1971	Shell Internationale Research Maatschappij N. V., of 30, Carel Van Bylandtlaan, The Hague.	Mixing apparatus for gases.
113.	133901	9-12-1971	Girling Ltd., of Kings Road, Tyseley, Birmingham 11, England.	Fluid flow control valve.
114.	133910	10-12-1971	Clayton Dewandre Company Ltd., of Titanic Works, Lincoln, England.	Low pressure switches.
115.	133916	10-12-1971	Schubert & Salzer Maschinenfabrik AG., Friedrich-Eberstrasse 84, 8076 Ingolstadt, Germany.	Control apparatus for textile machinery.
116.	133917	10-12-1971	Do.	Stopping and starting one or more open end spinning devices.
117.	133928	13-12-1971	Showa Denko Kabushiki Kaisha, of No. 34, Shiba Miyamoto-cho, Minato-ku, Tokyo, Japan.	Sintered agglomerates.
118.	133934	14-12-1971	Pipe Supports Ltd., Coronation Works, Hainge Road, Tividale, Warley, in the County of Worcester, England.	Pipe supports.
119.	133941	15-12-1971	Wilhelm Stahlecker GmbH, of 7341 Reichenbach, West Germany.	Bearing unit for open-end spinning turbines.
120.	133965	16-12-1971	Andrew Joseph Toti, of 311 West River Road, Modesto, California, U.S.A.	Structural assembly joint.
121.	133981	17-12-1971	Mefina S. A., 5 route de Beaumont, Fribourg, Switzerland.	Carrying case assembly for an apparatus such as sewing machines and projectors.
122.	133992	18-2-1972	U. S. Patil, S. A. Mission High Schools, Nandurbar Distt., Dhulia, Maharashtra.	Pencils.
123.	134002	18-12-1971	General Electric Co, 2092 Maschen Uber, Winsen (Luho), German Federal Republic.	Apparatus for maintaining constant volume flow rate in section pumps.
124.	134007	20-12-1971	Telephon-Und Telegraphen-Fabrike-Aktiengesellschaft Kapsch & Sohne in Wien, of Wagenseilgasse 1, Wien XII, Austria.	Apparatus for joining a tubular thermo-plastic container jacket.
125.	134013	20-12-1971	Scovill Manufacturing Co., of Waterbury, County of new Haven, State of Connecticut, U.S.A.	Valves for pressurible containers.
126.	134037	22-12-1971	Andrew Joseph Toti, 311 West River Road, Modesto, California, U.S.A.	Structural unit.

1	2	3	4	5
127.	134049	23-12-1971	Svenska Aktiebolaget Bromsregulator, of Adelgatan 4, 21122m Nalmo, Sweden.	Pneumatic cylinder piston unit for railway brake riggings.
128.	134051	23-12-1971	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Inlet manifolds for an internal combustion engine.
129.	134054	24-12-1971	Gestetner Ltd., of Fauley Road, Tottenham, London N. 17, England.	Duplicating stencils.
130.	134055	24-12-1971	Dunlop Holdings Ltd., Dunlop House, Hyder St, St. James's, London S.W. 1, England.	Wheels.
131.	134078	27-12-1971	Cummins Engine Company Inc., 1000 Fifth St, Columbus, Indiana, U.S.A.	Fuel injector.
132.	134085	27-12-1971	General Electric Co., 1, Riverroad Schenectady, New York, U.S.A.	Rolling mill for rolling metal.
133.	134096	27-3-1973	Snam Progetti S.p.A., 16, Corso Venezia, Milan, Italy.	Pressure vessel.
134.	134100	28-12-1971	The Glacier Metal Co. Ltd., 368 Ealing Road, Alperton, Wembley, Middlesex, England.	Bearings.
135.	134102	28-12-1971	Dresser Industries Inc., of Republic National Bank Bldg., P.O. Box 718, Dallas, Texas 75221, U.S.A.	Apparatus for computing and indicating the price of a blended liquid.
136.	134120	4-8-1970	Westinghouse Air Brake Company, State of Pennsylvania, located at Pittsburgh, Pennsylvania, U.S.A.	Propulsion and braking control system for railway vehicles.
137.	134130	30-12-1971	American Flange & Manufacturing Co. Inc., 30 Rockefeller plaza, New York 10020, New York, U.S.A.	Closure flange speed apparatus.
138.	134149	31-12-1971	Wigor Alexandravich Yastradoc & others, Kiev Delegalsky, Berevole 10, K.V. 1, USSR.	Means for transporting and information carrier.
139.	134150	31-12-1971	Gebruder Ortlingshans, Wermelakrichen Kenthausen Str, Federal Republic of Germany.	Combined pressure operated clutch-braking device.
140.	134161	3-1-1972	Cleo Ladell Sainsbury, 9537 Weissborn brive, Indian Hills, Colorado 80454, U.S.A.	Geological sample collecting apparatus.
141.	134218	7-1-1972	Mining Systems Ltd., 22nd Floor, Princes Bldg., Hong Kong.	Sample pulverizing apparatus.
142.	134220	7-1-1972	Schubert & Salzer Maschinenfabrik AG., Friedrich-Eberstrasse 848076, Ingolstadt, Germany.	Fibrous material mixing apparatus.
143.	134231	10-1-1972	Industrie Pirelli S.p.A., of Centro Pirelli, Piazza Duca d'Aosta No. 3, Milan 20100, Italy.	Stitching apparatus for tyre building machines having a building drum.
144.	134283	14-1-1972	USS Engineers and Consultants Inc., 600 Grant St, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for adjustment of side trimmer knife.
145.	134288	28-2-1972	Ethucan, Somerville, New Jersey, U.S.A.	Retention suture bridge.
146.	134291	15-1-1972	Agfa-Gevaert N. V., 27 Septestraat B 2510 Mortsel, Belgium.	Production of a multilayer motion pictures film containing magnetic recording strips.
147.	134297	17-1-1972	The Broken Hill, of 500 Bourke Street, Melbourne, in the State of Victoria, Commonwealth of Australia.	An easy opening closure.
148.	134305	18-1-1972	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Windscreen wiper control system.
149.	134307	18-1-1972	Do.	Cable clip.
150.	134350	22-1-1972	Westinghouse Electric Corporation, of Westinghouse Bldg., Gateway Center, Pittsburgh, Pennsylvania, U.S.A.	Fan suitable for use under high temperature conditions.
151.	134359	22-1-1972	Beloalit Yensky M-Zavod, Rostevskaya Oblast, Bekya Kalitva-2, U.S.S.R.	Mould for producing metal ingots.
152.	134365	24-1-1972	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Gear selection mechanisms for vehicles.

1	2	3	4	5
153.	134384	25-1-1972	Joseph Lucas (Industries) Ltd., of Great King St, Birmingham 19, England.	Ferrite magnet.
154.	134387	25-1-1972	Polysius AG., of 4723 Neubeckum, Grag. Galenstrasse 17, Federal Republic of Germany.	Pneumatically conveying loose material.
155.	134409	28-1-1972	Alcan Research and Development Ltd., of 1, Place Ville Marie, Montreal, Quebec, Canada.	Direct chill casting of ingots.

RENEWAL FEES PAID

74911	74935	74972	74996	75169	75268	75269	75270	75271
75272	75311	76282	79965	80066	80295	80300	80359	80410
80422	80450	80619	80676	80986	84332	85851	85864	85872
85880	85985	85986	86120	86138	86213	86594	86609	86672
90597	91562	91640	91660	91675	91711	91712	91761	91911
91951	91964	91998	92123	92160	92248	92344	92374	92375
92378	92508	92527	97221	97377	97384	97412	97486	97487
97490	97637	97662	97766	97767	97768	97800	97816	97927
98053	98075	98138	99820	100014	102046	102047	102593	
103251	103279	103355	103378	103379	103449	103468	103597	
103661	103682	103791	103895	103896	104013	104027	104054	
104087	104370	104986	105545	105597	107810	108219	108334	
108367	108529	108702	108737	108755	108777	108854	108926	
109082	109100	109144	109323	109341	109462	110737	110772	
111339	112086	113388	113827	113918	113932	113945	113951	
113980	114021	114078	114110	114246	114247	114311	114456	
114666	114667	114681	114696	114697	114725	118523	119180	
119302	119353	119376	119391	119455	119524	119529	119530	
119536	119586	119816	119820	119830	119877	119943	120166	
120265	120581	121510	123005	123006	124086	124349	124592	
124597	124660	124692	124709	124710	124777	124855	124869	
124892	124989	124998	125012	125013	125044	125065	125068	
125127	125195	125197	125177	125225	125327	125349	125471	
125485	125501	125764	127071	127347	127917	128129	129682	
129813	129824	129854	129855	129856	129871	129882	130007	
130009	130020	130021	130069	130070	130071	130110	130125	
130175	130176	130208	130209	130256	130335	130383	130461	
130472	130520	130557	130561	130616	130631	130924	131200	
131435	131436	131922	131944	132057	132237	132293	132325	
133214	133280	133437	133634	134087	134088	134111	134161	
134178	134212	134256	134321	134323	134414	134430	134431	
134445	134457	134476	134619	134700	134737	135056	135578	
135850	136168	136175	136340	136341	136349	136360	136677	
136700	136831	136933	137041.					

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

- Class 1. No. 143034. Madhusudan Dattatraya Katve, 1731/35 B Ward, Kolhapur, Maharashtra State India. A subject of the Republic of India. "The metal collar for an extrusion device". May 15, 1975.
- Class 1. No. 143040. Aardee Aluminium (India), 12, B.B.D. Bag, Calcutta-1, West Bengal, an Indian Partnership Firm. Indian National. "Main tee framework for false ceiling". May 19, 1975.
- Class 1. Nos. 143228 & 143277. Joseph Lucas Limited, a British Company, of Great King Street, Birmingham, England. "Bicycle frame". January 18, 1975. (U.K.).

Class 1. No. 143297. Sinhal Metal Industries, of 56/1, Block "C" Industrial Area, Wazirpur, Delhi-110052, an Indian Partnership firm. Indian Nationality. "Cream separator". July 31, 1975.

Class 1. No. 143300. Racold Appliances Pvt. Ltd., Vardhana, 12th Floor, 11 Tolstoy Marg, New Delhi-110001, Indian, an Indian Company. "Electrical cooking range". August 1, 1975.

Class 1. Nos. 143321, 143322 & 143323. Metrex Private Limited, a company duly registered in India, of Sunder Estate, Near Kamani Works, Shastri Marg, Kurla, Bombay-400070, State of Maharashtra, India. "Slotted Angles". August 12, 1975.

Class 1. No. 143331. Mrs. Draksharapu Rajyalaxmi, of B-1/14, Malviya Nagar, New Delhi-110017, India, an Indian National. "Petrol economizer plate". August 19, 1975.

Class 1. No. 143384. Amiruddin Kurbanhusein Daginawala, Precision Photo Products, 83, Ebrahim Rahimtullah Road, Bombay-400003, Maharashtra State, an India subject. Enlarger (photographic)". September 8, 1975.

Class 3. No. 143286. Javerchand Bhikamchand Parmar, Indian National of C/o Bombay Tar Pata Co., 3rd Agarvi Lane, Parasigali, Bombay-3, Maharashtra State, India. "Container". July 29, 1975.

Class 3. No. 143319. Barakaso Private Limited, an Indian Company duly Registered and Incorporated under the Companies Act. Ishwarbhai Patel Road, Goregaon (East) Bombay-400063, Maharashtra, India. "Frame for folding". August 12, 1975.

Class 3. Nos. 143348 & 143349. Inventa, an Indian Registered Partnership Firm, at Jayakar House, 4th Floor, Khar, Bombay-400052, Maharashtra, India. Indian Citizens. "Closure". August 25, 1975.

Class 4. No. 143327. Mohd. Afzal, an Indian National, of Maunath Bahanjan, Dist Azamgarh, U.P., India. "Bottle". August 13, 1975.

Class 10. No. 143197. S.S.C. Industries, 1/85, Vishwas Nagar, Shahdara, Delhi-32, (An Indian Partnership Firm). Indian National. "Footwear". July 7, 1975.

Class 10. Nos. 143346 & 143347. Kalinga Udyog Private Ltd. 15, Brabourne Road, Calcutta-1, West Bengal. An Indian Company. "Footwear". August 23, 1975.

Cancellation of the Registration of Designs
(Section 51A)

An application made by National Ice Pick & General Industries for cancellation of the registration of Design No. 142809 in Class I in the name of Diamond Cutlery & General Industries.

S. VEDARAMAN,
Controller-General of Patents, Designs and
Trade Marks